



Traffic Safety Facts South Carolina 2003-2007



This Report Contains Data From the Following Sources:

Fatality Data - NCSA Fatality Analysis Reporting System (FARS)

FARS Data: 2003-2006 Final File and 2007 Annual Report File (ARF)

Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the South Carolina State Survey
Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)

Population Data - U.S. Bureau of the Census



Table of Contents

Pg3.	Fatality Rates: South Carolina , U.S. and Best State
Pg4.	Alcohol-Related Fatalities: South Carolina , U.S. and Best State (Old Definition)
Pg5.	Alcohol-Impaired Driving Fatalities: South Carolina , U.S. and Best State (New Definition)
Pg6.	Fatalities Per 100 Million VMT: South Carolina , U.S.
Pg6.	Alcohol-Impaired Driving Fatalities Per 100 Million VMT: South Carolina , U.S.
Pg7.	Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Rider (Operators) Involved in Fatal Crashes: South Carolina , U.S. and Best State
Pg8.	Passenger Vehicle Occupant Fatalities by Restraint Use: South Carolina , U.S. and Best State
Pg9.	Passenger Vehicle Occupant Fatalities by Percent Restraint Use: South Carolina , U.S.
Pg9.	Passenger Vehicle Occupant by Observed Restraint Use: South Carolina , U.S.
Pg10.	Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates
Pg10.	Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates
Pg11.	Motorcycle Occupant Fatalities by Helmet Use and Lives Saved Estimates
Pg12.	Fatalities by Person Type
Pg13.	Fatalities by Crash Type
Pg14.	Motorcyclist Fatalities by Age
Pg14.	Motorcyclist Fatalities Per 100,000 Registered Motorcycles
Pg15.	Top 10 Counties for Fatalities and Fatality Rates
Pg16.	Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates



Fatality Rates: South Carolina , U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2003	South Carolina	969	48,120	2.01	4,146,770	23.37
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	South Carolina	1,046	49,551	2.11	4,201,437	24.90
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	South Carolina	1,094	49,434	2.21	4,254,989	25.71
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	South Carolina	1,045	50,199	2.08	4,330,108	24.13
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	South Carolina	1,066			4,407,709	24.18
	US	41,059	2,996,409	1.37	301,621,157	13.61
	Best State*					6.47

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

2007 State Vehicle Miles Traveled (VMT) Data is Currently Not Available. 2007 National VMT is a Preliminary Estimate and Subject to Change

[Back To The Table of Contents](#)



Alcohol-Related Fatalities: South Carolina , U.S. and Best State (Old Definition)

Year		Total Fatalities in all Crashes	Alcohol-Related Fatalities**				Alcohol-Related Fatalities (BAC = .08+) Per 100 Million VMT
			BAC = .01+		BAC = .08+		
			Number	Percent	Number	Percent	
2003	South Carolina	969	490	51	426	44	0.89
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	South Carolina	1,046	463	44	410	39	0.83
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	South Carolina	1,094	555	51	476	44	0.96
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		13	0.14
2006	South Carolina	1,045	534	51	467	45	0.93
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	South Carolina	1,066	573	54	514	48	
	US	41,059	17,036	41	14,575	35	0.49
	Best State*			23		19	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Includes BAC of All Involved Drivers, Motorcycle Riders, Pedalcyclists and Pedestrians

[Back To The Table of Contents](#)



Alcohol-Impaired Driving Fatalities: South Carolina , U.S. and Best State (New Definition)

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)**		Alcohol-Impaired Driving Fatalities (BAC = .08+) Per 100 Million VMT
			Number	Percent	
2003	South Carolina	969	389	40	0.81
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	South Carolina	1,046	368	35	0.74
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	South Carolina	1,094	436	40	0.88
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	South Carolina	1,045	419	40	0.83
	US	42,708	13,491	32	0.45
	Best State*			19	0.20
2007	South Carolina	1,066	463	43	
	US	41,059	12,998	32	0.43
	Best State*			17	

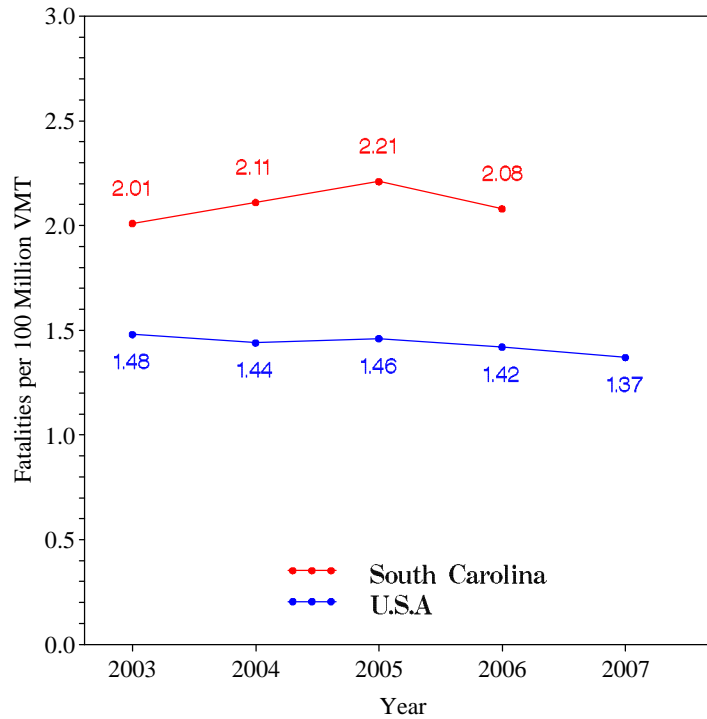
*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Includes BAC of All Involved Drivers and Motorcycle Riders Only

[Back To The Table of Contents](#)

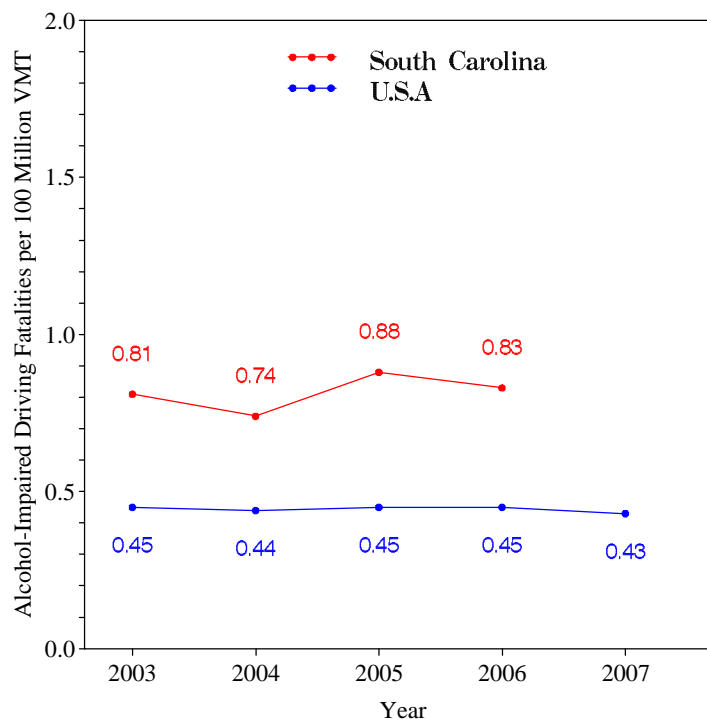


Fatalities per 100 Million VMT: South Carolina and U.S



[Back To The Table of Contents](#)

Alcohol-Impaired Driving Fatalities per 100 Million VMT: South Carolina and U.S



[Back To The Table of Contents](#)



Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Riders (Operators) Involved in Fatal Crashes: South Carolina , U.S. and Best State

Year		Surviving Drivers/Motorcycle Riders			Killed Drivers/Motorcycle Riders			Total Drivers/Motorcycle Riders		
		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS	
			Number	Percent		Number	Percent		Number	Percent
2003	South Carolina	329	14	4	485	338	70	814	352	43
	US	51,793	12,358	24	32,471	22,718	70	84,264	35,076	42
	Best State*			87			98			89
2004	South Carolina	318	246	77	519	430	83	837	676	81
	US	51,440	12,277	24	32,596	21,984	67	84,036	34,261	41
	Best State*			84			97			90
2005	South Carolina	323	10	3	544	390	72	867	400	46
	US	51,791	10,963	21	33,288	22,436	67	85,079	33,399	39
	Best State*			89			98			91
2006	South Carolina	316	19	6	517	384	74	833	403	48
	US	49,884	11,028	22	32,940	22,531	68	82,824	33,559	41
	Best State*			86			100			87
2007	South Carolina	299	27	9	545	378	69	844	405	48
	US	47,786	9,975	21	31,867	20,261	64	79,653	30,236	38
	Best State*			84			97			86

*State (or States) With Highest Percents: Highest Percents Could Be in Different States

[Back To The Table of Contents](#)



Passenger Vehicle Occupant Fatalities by Restraint Use: South Carolina , U.S. and Best State

Year		Total Passenger Vehicle Occupant Fatalities	Total Passenger Vehicle Occupant Fatalities Restrained**		Observed Passenger Vehicle Occupant Restraint Use in all Traffic***
		Number	Number	Percent	Percent
2003	South Carolina	763	248	33	73
	US	32,271	14,075	44	79
	Best State*			64	95
2004	South Carolina	826	224	27	66
	US	31,866	14,225	45	80
	Best State*			68	95
2005	South Carolina	843	265	31	70
	US	31,549	14,061	45	82
	Best State*			68	95
2006	South Carolina	771	280	36	73
	US	30,686	13,760	45	81
	Best State*			66	96
2007	South Carolina	793	264	33	75
	US	28,933	13,306	46	82
	Best State*			64	98

*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States

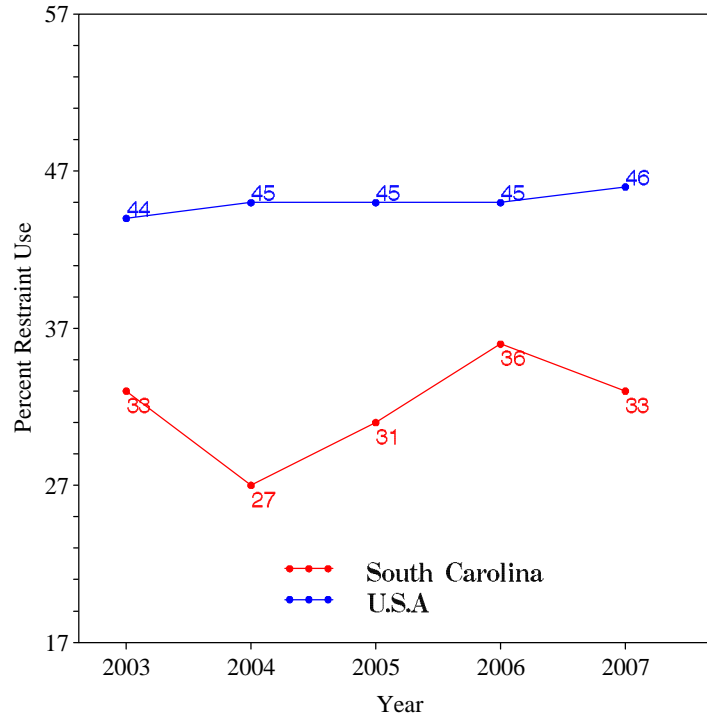
**Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

***USA Data: National Occupant Protection Use Survey. South Carolina Data: State Survey

[Back To The Table of Contents](#)

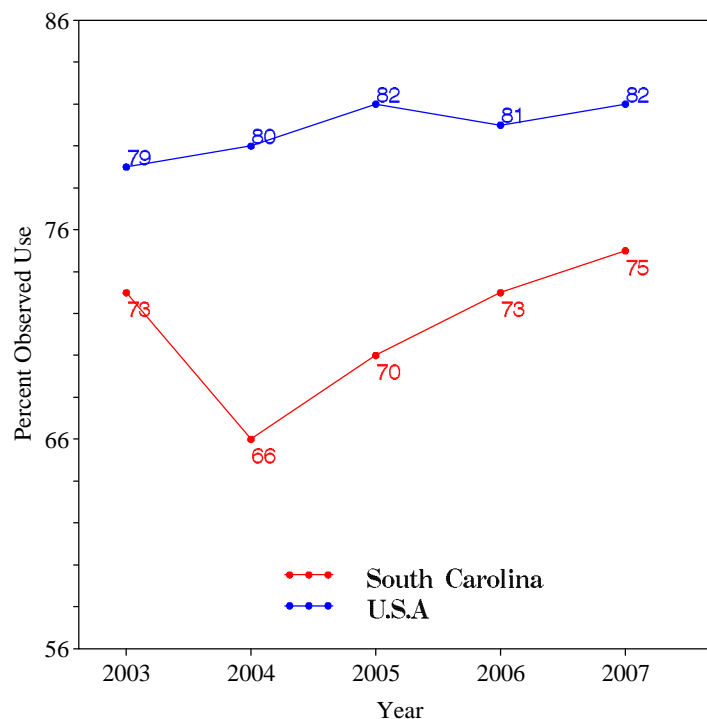


Passenger Vehicle Occupant Fatalities by Percent Restraint Use: South Carolina and U.S



[Back To The Table of Contents](#)

Passenger Vehicle Occupants by Percent Restraint Use Observed: South Carolina and U.S



[Back To The Table of Contents](#)



Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged 5 and Above*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt Use	Potential Additional Lives Savable at 100% Usage
2003	747	241	506	263	175
2004	815	222	593	257	220
2005	824	254	570	296	207
2006	756	273	483	309	195
2007	779	258	521	313	200

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

[Back To The Table of Contents](#)

Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged Under 5*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt and Child Seat Usage	Potential Additional Lives Savable at 100% Usage
2003	12	6	6	0	3
2004	8	2	6	3	3
2005	13	9	4	13	2
2006	7	2	5	2	3
2007	10	6	4	7	

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Motorcycle Rider Fatalities*			Motorcycle Rider Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	89	18	71	11	26
2004	88	16	72	9	27
2005	106	27	80	16	29
2006	110	28	82	17	30
2007	130	32	98	19	37

*Unknown Helmet Use Was Proportionally Distributed Across Known Helmet Use

**Lives Saved Estimates

[Back To The Table of Contents](#)



Fatalities by Person Type

Person Type		2003		2004		2005		2006		2007	
		#	%	#	%	#	%	#	%	#	%
Occupants	Passenger Car	452	16	475	16	506	16	456	15	408	13
	Light Truck - Pickup	131	5	156	5	152	5	115	4	192	6
	Light Truck - Utility	134	5	154	5	130	4	151	5	154	5
	Light Truck - Van	46	2	41	1	55	2	49	2	39	1
	Large Truck	18	1	13	0	21	1	12	0	11	0
	Bus	0	0	6	0	2	0	0	0	0	0
	Other/Unknown Occupants	7	0	5	0	8	0	8	0	5	0
	Total Occupants	788	28	850	28	874	28	791	26	809	26
Motorcyclists	Motorcycle	89	3	88	3	106	3	110	4	130	4
Non-Occupants	Pedestrian	80	3	86	3	98	3	128	4	106	3
	Bicyclist and Other Cyclist	12	0	22	1	16	1	16	1	20	1
	Other/Unknown Non-Occupants	0	0	0	0	0	0	0	0	1	0
	Total Non-Occupants	92	3	108	4	114	4	144	5	127	4
Total	Total	969	34	1,046	34	1,094	34	1,045	35	1,066	35

[Back To The Table of Contents](#)



Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
Total Fatalities (All Crashes)	969	1,046	1,094	1,045	1,066
- Single Vehicle (1)	571	629	634	630	673
- Involving a Large Truck (2)	99	110	124	95	91
- Involving Speeding (3)	410	463	481	419	454
- Involving a Rollover (4)	265	317	316	287	335
- Involving a Roadway Departure (5)	681	705	696	633	673
- Involving an Intersection (or Intersection related) (6)	207	184	235	201	158

(1) Crash Involved Only One Coded Vehicle

(2) Crash Involved at Least One Large Truck

(3) Crash Involved at Least One Vehicle Speeding

(4) Crash Involved at Least One Vehicle That Rolled Over

(5) Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

(6) Crash Occured Within an Intersection or Within the Approach to an Intersection

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2003	1	24	27	12	17	6	87
2004	2	24	18	23	13	6	86
2005	6	16	25	31	18	6	102
2006	4	23	25	32	19	6	109
2007	3	25	23	34	29	9	123

[Back To The Table of Contents](#)

Motorcyclist Fatalities Per 100,000 Registered Motorcycles*

Year	Motorcyclist Fatalities	Total Motorcycle Registrations	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	87	57,177	152.2
2004	86	60,029	143.3
2005	102	63,022	161.8
2006	109	87,769	124.2
2007	123		

*Data Source: FHWA

[Back To The Table of Contents](#)



Top 10 Counties for Fatalities and Fatality Rates

Top 10 Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Horry County	88	35.21
2	Greenville County	87	20.32
3	Charleston County	65	18.95
4	Spartanburg County	56	20.32
5	Richland County	49	13.70
6	Anderson County	48	26.67
7	Orangeburg County	46	51.14
8	Aiken County	45	29.55
9	Lexington County	41	16.85
10	Berkeley County	30	18.33

Median Rate for all U.S. Counties: 20.32

Top 10 Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Fairfield County	19	81.43
2	Jasper County	16	72.88
3	Colleton County	24	61.69
4	Hampton County	12	56.58
5	Calhoun County	8	54.14
6	Orangeburg County	46	51.14
7	Marion County	15	44.24
8	Barnwell County	10	43.53
9	Williamsburg County	15	42.32
10	Chester County	13	39.96

[Back To The Table of Contents](#)



Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates

Top 10 Alcohol-Impaired Driving Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Horry County	42	16.77
2	Greenville County	37	8.55
3	Charleston County	26	7.49
4	Lexington County	24	9.95
5	Richland County	24	6.57
6	Spartanburg County	23	8.31
7	Aiken County	18	11.75
8	Anderson County	17	9.61
9	Orangeburg County	17	18.34
10	Kershaw County	15	25.79

Median Rate for all U.S. Counties: 5.11

Top 10 Alcohol-Impaired Driving Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Calhoun County	6	40.60
2	Fairfield County	7	30.00
3	Colleton County	12	29.82
4	Hampton County	6	29.23
5	Barnwell County	6	26.12
6	Kershaw County	15	25.79
7	Jasper County	6	25.51
8	McCormick County	2	20.80
9	Marion County	7	20.35
10	Darlington County	13	19.15

[Back To The Table of Contents](#)